

GINZBURG, L. A.

Bimetall-zamenitel' tsvetnogo metalla; proizvodstvo, svoistva i primenenie.
Moskva, Metallurgizdat, 1943. 118 p. illus., diagrs.

Bibliography: p. 114-1157.

Bimetal as a substitute for non-ferrous metals; production, properties and
use.

DLC: TS213.65

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library
of Congress, 1953.

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5
CIA-RDP86-00513R000515120020-5"

GINZBURG, L.A.; MOROZOVA, Ye.M.

Use of high-frequency currents in pouring bimetallic bushings.
[Izdatelstvo] LONITOMASH no. 30:407-417 '52. (MLRA 8:1)
(Bearings (Machinery)) (Induction heating)

S/137/62/000/006/012/163
A006/A101

AUTHORS: Ginzburg, L. A., Epshteyn, N. I.

TITLE: On the problem of improving ferrotitanium melting techniques

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1962, 23 - 24, abstract
6V181 ("Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekhn. sb.",
1961, no. 5 (15) 12- 17)

TEXT: During the melting of Fe-Ti the equilibrium of the li reduction reaction is established at a high concentration of Al in the heat and of TiO in the slag, usually bound with Al_2O_3 . A higher lime amount in the charge will cause transition of the slag TiO into a free state and simultaneously reduce the melting temperature of the slag; consequently, conditions of metal regulus deposition will be improved. A certain increase of the Al amount in the charge will make it possible to reduce the free TiO in the slag. To check these conditions experimental heats were produced at the Aktyubinsk ferroalloy plant. The results showed the expediency of raising the lime content in the charge by 20% and of Al by about 3% against the usual amounts. In the 45 experimental heats the average ✓

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On the problem of...

Al consumption was 479 kg/t, and Ti extraction was 72.3%. A number of 83 experimental heats were produced with the use of an Al block for the deposition of reguli; 83 heats were produced with a mixture of Al and Fe-Si for the same purpose. The heats proved that the reduction of slag oxides occurs on account of Al; Fe-Si is melted and passes into the metal. In heats without Fe-Si, the Si content decreased from 5.27 to 4.88% and the Ti extraction remained on the same level (72.2%). Simultaneously the yield of Ti-O grade alloy increased from 3.6 to 6%.

A. Sergeyev

[Abstracter's note: Complete translation]

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Card 2/2

GINTZBURG, L. B.

The Determination of Small Quantities of Arsenic in Metals and Ores by
Precipitation with Sodium Hypophosphite. S. Yu. Faiberg and L. B. Gintz-
burg (Zurnal Vses. Khim. i Tekhnolog. Lab. (Vses. Ispit. i Laboratorij), 1933, 28, 6320). [In Russian.] Detailed instructions are given for a method very
similar to that of Evans (*J. Inst. Metals*, 1929, 48, 534). The determination of
As in non-ferrous metals (Cu, Ni, Cd, Bi, Pb, Sn, and Sb), in alloys (brass, bronze,
and bearing alloys containing Sn and Pb), and in ores is described. - S. G.

APPENDIX - TABLE FOR GENERAL LITERATURE CLASSIFICATION

Rapid determination of lead in lead-zinc ores, concentrates and their products. Yu. Yu. Lur'e and I. B. Ginzburg. *Zaridkaya Lab.*, 6, 299-7 (1957). (1) Heat 0.5-1.0 g. of sample with 10 ml. of concd. HCl and with 5 ml. of concd. HNO_3 . Dil. the resulting soln. with 50 ml. of water and 5 ml. HCl. Boil, filter and allow to cool. To the cold soln. add 0.5-1.0 g. tartaric acid, a slight excess of NH_4OH and 5 ml. of $AcOH$. Dil. to 100 ml. and ppt. $PbCrO_4$ with 10 ml. of 5% $K_2Cr_2O_7$. Filter and wash the $PbCrO_4$ with dil. $AcOH$. Dissolve the ppt. in a mixt. of 1 g. satd. NH_4Cl soln., 15 ml. water and 100 ml. of concd. HCl. Dil. the filtrate and det. the Cu colorimetrically. (2) To the soln. prep'd. as in (1) add a slight excess of NH_4 and dissolve any ppt. of K_2CrO_4 by adding 10 ml. of 3% HNO_3 . Dil. to 250 ml. and ppt. $PbCrO_4$ by means of 10 ml. of $(NH_4)_2CrO_4$. Filter, wash and dissolve as in (1). To this soln. add water to make 200 ml., add 2 ml. H_3PO_4 and a measured vol. of 0.1 N $FeSO_4$. Titrate the excess Fe^{2+} with standard $K_2Cr_2O_7$ soln. with diphenylamine as internal indicator. (3) Dissolve the sample as in (1) but with the omission of the final HCl treatment. Ppt. the Pb as $PbCrO_4$ by means of a measured vol. of 0.1 N $K_2Cr_2O_7$, filter and take an aliquot part of the filtrate for the detn. of the excess $K_2Cr_2O_7$, finishing the analysis as in (2).

Chas. Blank

METALLURGICAL LITERATURE CLASSIFICATION

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B-I-5

B-1-4

Determination of small amounts of nickel, cobalt, and chromium over (internal electrolysis method). (J. J. Lurkin and L. B. Gammie, Anal. Chem., 1930, 7, 338-343).—The sample is dissolved in 5 ml. of H₂O₂, 1 ml. of 10% NaOH, and 1 ml. of HNO₃-HCl to give a solution of Ni and >3 mg. of Co. This solution is added to 10 ml. of H₂O₂, 1 ml. of eq. NH₃, and 1 ml. of eq. H₂O₂. The solution is made alkaline with eq. NH₃, and 1 ml. of 10% H₂O₂ are added, followed by H₂O₂ to 200 ml., and Cr is determined by internal electrolysis, 10°/10° (Pt cathode, Al anode). Br is added to the residual solution, which is then boiled down to 100 ml., 50 ml. of 4% NaF are added, the solution is neutralized with eq. NH₃, and Ni and Co are deposited by internal electrolysis (Pt cathode, Zn anode). The deposit is dissolved in H₂O₂, excess of eq. NH₃ is added, and electrolysis repeated. The deposit of Ni+Co is weighed, dissolved, Co is determined colorimetrically, and the Ni content is calcd. by difference. Should the sample contain >3 mg. of Cr, this should first be pyred as BaCrO₄.

R. T.

AIA-11A METALLURGICAL LITERATURE CLASSIFICATION

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B-T-6

Determination of silicon by means of hydroxylamine in lead and copper smelting slags.
L. B. Gunnane (J. Amer. Inst., 1938, 7, 104).

1043).—0.5 g. of powdered slag is fused with 3 g. of Na₂O, the melt dissolved in 400 ml. of H₂O, and 45–50 ml. of conc. HCl are added. The solution is filtered, and the filtrate + washings are diluted to 1 l. Si is determined in 100 ml. of solution by the method of Volinets (A., 1938, 813). R. T.

AMSLA METALLURGICAL LITERATURE CLASSIFICATION

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APPROVED FOR RELEASE: Thursday, September 26, 2007 : 10AM RDP060513RQ0051510002045 : P

APPROVED FOR RELEASE Thursday September 16, 2002 : GIA RD 98-00513 R000515120020-5

Microchemical analysis of brass Yu Yu Turi and I. B. Ginsburg Zavodskaya Lab. 7, 1115-501 (1930) Satisfactory results are reported in the application of conventional methods in the semimicro analysis of brass Chas Blum

APPENDIX B: METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: Thursday, September 26, 2002 BY [Signature] APPROVAL DATE: September 26, 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002 CTA-RDP86-00513R000515120205-06

GRANTING, U.S.

B-1-4

Digital determinations of chlorine in very porous sand and bitumen coatings. J. J. Loring and G. H. Johnson, U.S. Bureau of Mines, 1886, 8, 271-273. A quantitative determination of Cl with $\text{Ca}(\text{CN})_2$ and $\text{Na}_2\text{S}_2\text{O}_3$ is given. The method is applicable without difficulty to the basal, rotted as it does not pass into the unburned portion of the CaCO_3 layer. "Chloride acid binds better than does bromine." J. J. L.

B

Utilization of Heat in Glass-Melting Furnaces. (In Russian.) L. B. Ginzburg, *Glass and Ceramic Industry* (U.S.S.R.), No. 3, 1947, p. 9-13.

Extensive tables and charts correlate the work of various investigators on the above subject.

AMERICAN METALLURGICAL LITERATURE CLASSIFICATION

CLASSIFICATION

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2163. Modification of the thiocyanate method of determining molybdenum. L. B. Ginzburg and J. J. Lurie (Zavod Zab., 1948, 16, A38-365; Metal' 1949, 10, 295). The sample (0.1-0.5 g) is dissolved in aqua regia, 10 ml of H_2SO_4 (1 : 1) are added and the solution is heated until SO_2 is evolved. The cooled solution is diluted with 30-40 ml. of water, boiled to dissolve the residue, transferred to a 100-ml. flask, and made up to the mark with water. An aliquot part of the solution containing 0.06-0.08 mg. of Mo is placed in a measuring cylinder, and 35 ml. of HCl (1 : 3), 30 ml. of 20% aq. thiocyanate, 1 g. of KI, and 1 ml. of 1% aq. $Na_2S_2O_3$ are added, with shaking after each addition. The solution is made up to the 50-ml. mark with HCl (1 : 3) and placed in a colorimeter for 10 min., using the green-light filter No. 84 (max. transmission 520-580 m μ). The Mo content is determined from a calibration curve obtained by measuring the light-absorption of solutions of known concn under identical conditions. R. H. Clarke

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"A New Version of the Rhodanine Method of Determination of Molybdenum,"
Zavod. Lab., 14, No. 5, 1943.

State Inst. of Ferrous Metals.

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*Investigation of Colorimetric Methods of Determining Bismuth. Yu. Yu. Lur'e and I. B. Ginsburg (Zared. Lab., 1949, 15, (1), 21-30).—[In Russian]. A comparison is made of the KI, rhodamide, and thiourea methods of colorimetric quantitative determination of Bi in the presence of Pb, Sb, Sn, As, Cu, and Fe. The first method is described briefly, the two others in detail. A violet-light filter with max. permeability in the range 400-470 m μ , corresponding to max. extinction by Bi-complexes, is used in all these methods; the formation of coloured Bi-complexes occurs in 1-2N-H₂SO₄, 1-3.5N-H₂SO₄, and 0.4-1.2N-HNO₃, respectively. The sensitivities of the three methods decrease in the order 8-11-22 · 10⁻⁴ g/cm², where γ is the concentration (mg./dl.) × thickness of colorimetered layer (cm.); the ranges of error ± 1% are 26.13%, 6.20, and 5.2.20 γ cm², respectively, so that for low concentration only the KI method gives sufficient precision, and for high concentrations only the other two. Coloration occurs in all cases immediately upon addition of the complex-forming reagent and remains stable for 3-4 hr. in the KI, and for 90 min. in the other two methods. Several ways of preventing the formation and/or of taking into account the effects of coloured complexes by Sb, Pb, etc., are mentioned, and the analytical techniques are described in detail. The KI method is the most precise of the three and has the widest range of application, but if Pb is present in large quantities only the thiourea method can be used.—T. O. I.

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7630. *Investigation of Furnaces for the Production of
Foam Glass.* (In Russian.) I. B. Guzberg and N. I. Usov.
Steklo i Keramika v. 8 Sept. 1951 p. 71-7
Heat balances were determined for three furnaces. Tables
and graphs.

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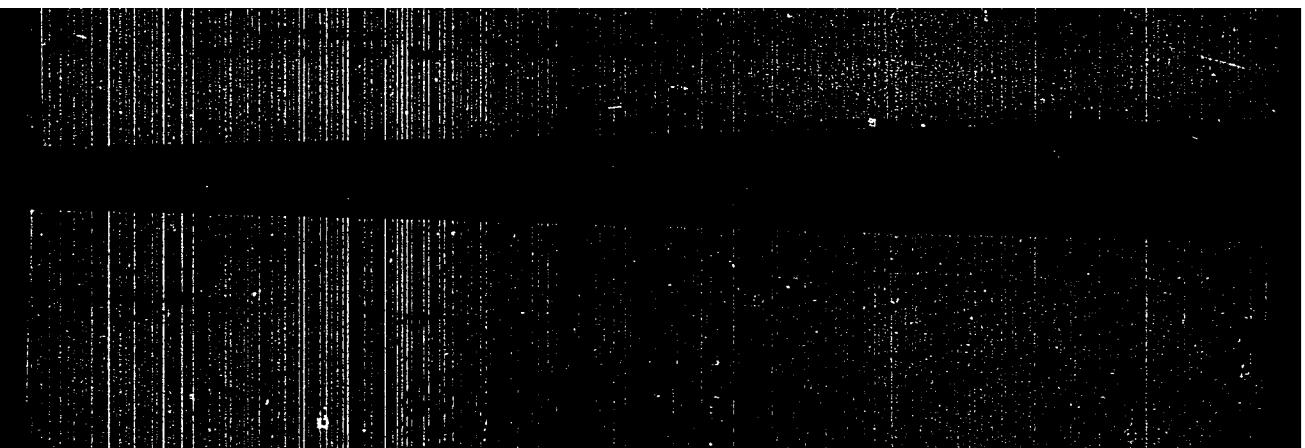
20011. Ion-Exchange Method of Determination of Thallium and Iodine in Ternary Systems. N. V. GOROZHANINA
Determination of thallium and iodine in ternary systems by ion-exchange method. The method is based on the separation of thallium from other elements by means of an ion-exchange column and the titration of thallium with a standard solution of iodine. The method is applicable to the determination of thallium in the presence of zinc, iron, cobalt, manganese, and other elements.

20012. Determination of Zinc in Ternary Systems. N. V. GOROZHANINA
Determination of zinc in ternary systems by titration of zinc solutions of varying concentrations with a standard solution of iodine. The method is based on the formation of a complex between zinc and iodine.

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Gosudarstvennyj institut tsvetnykh metallov.



GINZBURG, L.B.; SHIROBOT, E.P.

Separating molybdenum and rhenium by using the ion-exchange chromatographic technique. Sbor.nauch.trud.GINTSVETMET no.12:89-93 '56.
(Chromatographic analysis) (Molybdenum) (MLRA 10:2)
(Rhenium)

USSR/Analytical Chemistry. General Topics.

G-1

Abs Jour : Referat. Zhurnal Khimiya, No 6, 1957, 19460.

Author : S.Ya. Faynberg, L.B. Ginzburg.

Inst : -

Title : Experiment of Application of Mathematical Statistical Method to Establish Norms of Permissible Discrepancies of Assay Results.

Orig Pub : Zaved. Laboratoriya, 1956, 22, No 10, 1157-1166.

Abstract : The method of mathematical statistics was used to develop the norms of permissible discrepancies at the assaying of products of the Pb, Zn and Cu industries. 5,820 assays were made for the Pb and Zn industries and 9,140 assays were made for the Cu industry. The following formulae were used for the mathematical treatment of the results: $(\bar{x} = x_1 + x_2 + x_3 \dots x_n)/n$; $S = \sqrt{(x_1 - \bar{x})^2 + (x_2 - \bar{x})^2 + \dots + (x_n - \bar{x})^2}/n$; $C = \frac{S}{\bar{x}} \times 100$. It was established that the reproduction of results depended little on the assayed

Card 1/2

-1-

USSR/Analytical Chemistry. General Topics.

G-1

Abs Jour : Referat. Zhurnal Khimii. No 6, 1957, 19460.

product and varies depending on the contents of the determined component. The degree of error distribution followed the law of the normal distribution; 70% of the results differ \leq from a (arithmetical mean) of the series. The value 2 was proposed as the norm of the permissible discrepancy. It was proved statistically that the ferrocyanide method with the use of an exterior indicator is not applicable at $< 1\%$ of Zn; the polarographic method gives better results. The method of the determination of Al_2O_3 by difference gives badly reproducible and often wrong results; it is recommended to use direct methods (weight determination in the form of oxide of phosphate).

Card 2/2

-2-

SOV/137-57-10-20571

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 10, p 312 (USSR)

AUTHOR: Ginzburg, L. B.

TITLE: Colorimetric Methods for the Determination of Trace Elements in the Dusts of the Nonferrous Metals Industry (Kolorimetricheskiye metody opredeleniya rasseyannykh elementov v pylyakh proizvodstva tsvetnykh metallov)

PERIODICAL: Izv. AN KazSSR, ser. khim. 1957, Nr 1, pp 94-98

ABSTRACT: Methods were developed for the determination of trace elements using small specimens containing thousandths and hundredths of one per cent of the element sought with a 10 - 15% relative error. The determination of Tl is based on the reaction of $TlCl_4$ with methyl violet. The complex compound formed is dissolved in toluene imparting to it a blue-violet color. The maximum absorption is 530 - 620 $m\mu$. 10 cc of toluene extract up to 50 γ of Tl from 25 cc of solution. Sb impedes the analysis. The determination of Ge is based on the reaction with phenylfluorone in an acid medium. Ge^{4+} forms a red compound. The maximum absorption is 490 - 530 $m\mu$. Many elements, especially Sb, impede the

Card 1/2

SOV/137-57-10-20571

Colorimetric Methods for the Determination of Trace Elements (cont.)

analysis. Ge is first distilled off in the form of its tetrachloride in the presence of KMnO₄ and Na₂SO₃. The weighed test sample is decomposed by fusion with Na₂O₂ in Ni or Fe crucibles. Within the range of 1 - 25 γ in 25 cc, Ge can be determined colorimetrically. The determination of In and Ga is based on the fact that solutions of oxiquinolates of In and Ge in chloroform are fluorescent under ultraviolet rays. To separate Ge it is extracted with ether from a 6N HCl solution in the presence of TiCl₃. To separate In its bromide is extracted with ether after which it is determined by ion-exchange chromatography with the SBS type cationite. The sensitivity of the determination of Ga is 0.1 γ , that of the determination of In is 0.5 γ in 3 cc of chloroform. The determination of Re is based on the formation of a complex compound of Re with a thiocyanate in a hydrochloric-acid solution in the presence of SnCl₂. Mo impedes this analysis. The determination of 5 γ Re in a 5N HCl solution is feasible in the presence of 50 - 60 γ Mo by measuring its optical density 30 min after the addition of the reagent.

K. K.

Card 2/2

USCOMM-DC-60,919

05713

SOV/32-25-10-2/63

5 (2)
AUTHORS: Ginzburg, L. B., Shkrobot, E. P.

TITLE: Determination of Thallium From the Absorption of the Solution
of Its Chloride in Ultraviolet

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 10, pp 1157-1162 (USSR)

ABSTRACT: By means of the spectrophotometer of type SF-4 (with hydrogen lamp), experiments were carried out concerning the applicability of the chlorides and bromides of indium, gallium and thallium to the absorptiometric determination of these elements in nonferrous metal products. The chlorides and bromides of indium and gallium cannot be used for spectrophotometric determinations of these elements since no light absorption occurs in these solutions up to a concentration of elements of about 500 mg/l. In the chlorine and bromine compounds of thallium, a light absorption in the ultraviolet part of the spectrum, in hydrochloric-acid solutions, was ascertained for both forms of valence (Tl^+ and Tl^{3+}) (Figs 1, 2). In 6n HCl, the absorption maximum of $TiCl_3$ and $TiCl_3$ lies at a wave length of 244-246 μm . The molar absorption coefficients of $TiBr_3$ and $TiCl_3$ nearly agree, and are 3 times larger than those of $TiBr$

Card 1/3

05713

SOV/32-25-10-2/63

Determination of Thallium From the Absorption of the
Solution of Its Chloride in Ultraviolet

and $TiCl_3$ (Table 1). The chlorides and bromides of Bi, Sb, Sn, Cu, Pb, and Fe also absorb the light in the ultraviolet range so that the thallium has to be extracted before a spectrophotometric determination with ether from a hydrobromic-acid solution of the sample. Experiments concerning the oxidation of thallium into the trivalent form were carried out with bromine, hydrogen peroxide, potassium persulphate, and potassium nitrite, while formalin, phenol and urea were tested for the destruction of the excess reducing agent. Phenol proved to be most favorable. The analytical results obtained by two methods from the chloride- and bromide compounds are in good agreement (Table 2); it is, however, recommended to carry out the determination by use of the chloride compound since the "zero solution" has no light absorption in this case. A course of analysis is indicated. The method was tested by dust samples of the lead-zinc production. The method permits thallium determinations from a sample of 1 g with a content of more than 0.005% Tl. There are 3 figures, 2 tables, and 1 Soviet reference.

Card 2/3

05713

Determination of Thallium From the Absorption of the
Solution of Its Chloride in Ultraviolet

SOV/32-25-10-2/63

ASSOCIATION: Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh
metallov (State Scientific Research Institute of Nonferrous
Metals)

Card 3/3

GINZBURG, L.B.; NOGAYEVA, Z.M.; YUSTUS, Z.L.

Photocolorimetric determination of thallium and germanium in
the products of nonferrous metallurgy. Sbor. nauch. trud.
Gintsvetmeta no.18:11-17 '61. (MIRA 16:7)

(Nonferrous metals--Analysis)
(Thallium--Analysis)
(Germanium--Analysis)

GINZBURG, L.B.; SHIROBOT, E.P.

Studying absorption spectra of certain compounds of bismuth,
antimony, lead, tin, iron, copper, and manganese. Sbor. nauch.
trud. Gintsvermeta no.18:18-36 '61. (MIRA 16:7)

(Metals—Absorption spectra)
(Complex compounds—Absorption spectra)

GINZBURG, L.B.; SHKROBOT, E.P.

Spectrophotometric determination of bismuth in metallic lead and
in crude copper. Sbor. nauch. trud. Gintsvermeta no.18:53-55 '61.

(Bismuth-Spectra) (Lead-Spectra)
(Copper-Spectra)

GINZBURG, Lev Davydovich; IVANOV, B.N., insh., red.; FREGER, D.P.,
red.izd-va; BELOGUROVA, I.A., tekhn.red.

[Small transformers for the filaments of high-voltage thyratrons
and gas-discharge tubes] Malogabaritnye transformatory pitaniia
nakala vysokovol'tnykh tiratronov i gazotronov. Leningrad,
1961. 17 p. (Leningradskii Dom nauchno-tekhnicheskoi propagandy.
Obmen peredovym opyтом. Seriya: Pribory i elementy avtomatiki,
no. 14) (MIRA 14:12)

(Electric transformers)



S/30001/000/019/069/085
B117/B110

11,9000

AUTHOR: Ginzburg, L. G.

TITLE: Effect of lubricating oil on scale formation in Diesel engines

PERIODICAL: Referativnyy zhurnal. Khimika, no. 19, 1961, 424, abstract
19M193 (Inform. sb. Tsentr. n.-i. inst morsk. flota, no. 47.
1960, 49 - 57)

TEXT: The cylinder emulsion oils synthesized at the VNIINP were tested in a two-cylinder, two-stroke engine type 2MGI6.5/20 (2 DSP 16.5/20), 50 HP at 750 rpm, operating with sulfur fuel (mixture of 65% export mazout, trademark "Ю" ("Yu") and 35% Diesel fuel with 2.53% sulfur). The test showed that the oil samples produced in the USSR have properties preventing scale formation and guaranteeing the purity of the Diesel engine piston group even during operation with highly sulfurous fuels. This is mainly due to the presence of a considerable amount of alkaline additives in aqueous phase neutralizing the primary oxydation products of the oil and preventing the formation of tars and other polymeric products. ✓B

Card 1/2

S/081301/000/019/069/085

Effect of lubricating oil on scale formation..B117/B110

Emulsion oils are recommended for lubricating low-speed Diesel engine cylinders particularly when, during the use of customary cylinder oils (motor oil, automobile lubricant AK 15 (AK 15)), the cylinders are soiled by scale and varnish. It is pointed out that in a Diesel engine comprising a precombustion chamber the thickness of the scale layer in the combustion chamber does not depend on the kind of fuel and oil used.

[Abstracter's note: Complete translation] ✓B

Card 2/2

GINZBURG, L.G.

Lubricants for modern low-speed marine diesels. Inform. sbor. TSNIIMF
no.73 Tekh. ekspl. mor. flota no.13:3-17 '62. (MIRA 16:3)
(Marine diesel engines--Lubrication)

GINZBURG, L.G.

Service testing of the D-11 lubricant with a VNIINP-360 additive on
V111-1hB216/310 engines. Inform. sbor. TSNIIIMF no.73. Tekh. ekspl. mor.
flota no.13:67-84 '62. (MIRA 16:3)
(Lubrication and lubricants--Testing)

ZINZBURG, L.G.

Testing the D-11 lubricant with a LF-1 additive on the PSV55 and
A GOrlitz engines. Inform. sbor. TSNIIMF no. 96. Tekh. ekspl. mor.
flota no. 23:18-29 '63 (MIRA 18:1)

GINZBURG, L.I.

Lowering the weight of the square meter of paper is an urgent
problem. Bum. prom. 36 no.11:9-10 N '61. (MIRA 15:1)

1. Glavnnyy inzh.fabriki "Komsomolets".
(Paper)

GINZBURG, L.I., prof.

Science at the service of the bast fiber industry. Tekst.
prom. 23 no.12:16-20 D '63. (MIRA 17:1)

1. Zamestitel' direktora po nauchnoy rabote TSentral'nogo
nauchno-issledovatel'skogo instituta lubyanykh volokon
(TsNIIILV).

"APPROVED FOR RELEASE: Thursday, September 26, 2002
APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5
CIA-RDP86-00513R000515120020-5"

GINZBURG, L.I.

Tomography of the pulmonary artery in tuberculosis of the lungs.
(MIRA 17:9)
Probl. tub. 41 no.10:58-62 '63.

"APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5

GINZBURG, APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5"

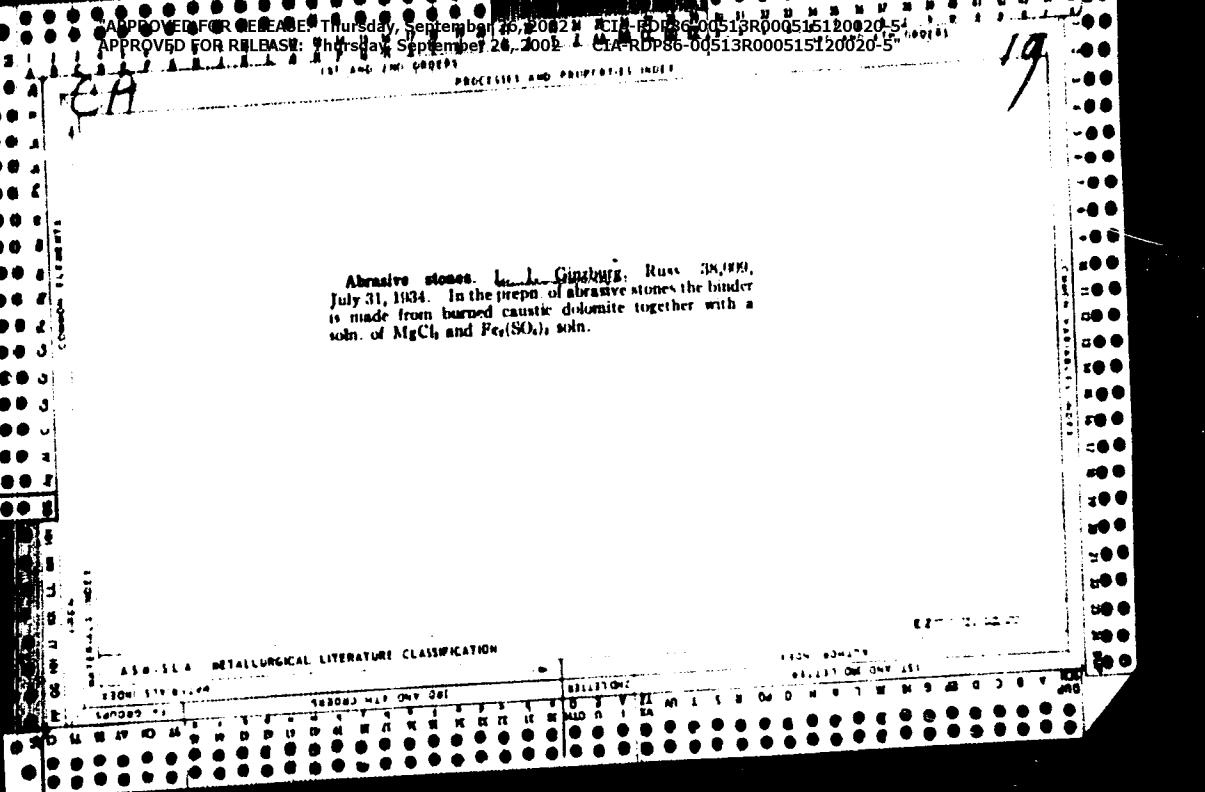
UPRAVLENIYE KHOZYAISTVOM V PERYYYE GODY PROLETARSKOY DIKTATURY. (DOKV).

SOVETSKAYE ZAKONODATEL'STVO. 1933 83 p.

PROCESSES AND PRODUCTS INDEX

19

Abrasive stones. I. I. Ginsburg, Russ. 38,000, July 31, 1934. In the prepn. of abrasive stones the binder is made from burned caustic dolomite together with a soln. of $MgCl_2$ and $Fe_2(SO_4)_3$ soln.



"APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5

CIA-RDP86-00513R000515120020-5"

REINZ 2002 APPROVED FOR RELEASE: Thursday, September 26, 2002

Single listing of (less than) nonfervous details edition, H.R. 10. Library, U.S. Senate
and Library, D.C.
Collection of the original. 59 p. inc. 10-12.

Microfilm T3-1

The melting of resin for the manufacture of high resistivity
semiconducting plastic film - 23 Nov 67 10
1018. Continued detail of the ion-kylling
process.

1018.104 DETAILED INFORMATION CLASSIFICATION

CONFIDENTIAL
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EX-993
EX-994
EX-995
EX-996
EX-997
EX-998
EX-999
EX-1000

L. I. GINZBURG

APPROVED FOR RELEASE: Thursday, September 26, 2002
REVOKED FOR RELEASE: Thursday, September 26, 2002

USSR/Engineering - Heat Engineering

Apr 51

"Modeling of Forced Ventilation in Buildings With
a Heating System," L. I. Ginzburg

"Iz Ak Nauk SSSR, Otdel Tekhn Nauk" No 4, pp 537-
549

Developed equation of ventilation process for
mean values of parameters of this process from
system of eqs of math physics. Corroborated that
modeling theory, developed in works by Acad M. V.
Kirpichev and his school, may be applied to ven-
tilated vols with heat loss in them. Establishes

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USSR/Engineering - Heat Engineering
(Contd)

Apr 51

method for calcg "air cases" and suggests how to
attain optimum temp at min heat exchange. Sub-
mitted by Acad M. V. Kirpichev.

✓
190755

Construction of a tall building on Smolensk Square. Gor.khoz.
Mosk. 25 no.12:12-19 D '51.
(MLRA 7:11)

1. Zamestitel' ministra stroitel'stva predpriyatiy tyazheloy industrii.
(f.Pogosov) 2.Glavnyy inzhener tresta "Oseobstroy" (for Ginzburg).
(Moscow--Buildings) (Buildings--Moscow)

1. GINZBURG, L. I.
2. USSR (600)
3. Wood pulp industry
4. Technical and economic indexes in pulp production.
Bum.prom. z' No. 6 - 1952.

9. Monthly List of Russian Acquisitions, Library of Congress, February, 1955. Unclassified.

CINZBURG, L. I.

Paper - Specifications

Shortcomings of some paper standards. Bum. prom. 28 no. 1, 1953

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

GINZBURG, L.I., glavnyy inzhener.

Some technical and economic indices of pulp production. Bum.prom. 28 no.8:
28 Ag '53. (MLRA 6:7)

1. Okulovskiy tsellyulokno-bumazhnyy kombinat. (Wood-pulp industry)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5"

GINSBURG, I.M., glavnnyy inzhener; FEL'DMAN, I.Ya., glavnnyy mehanik.

Complete mechanization of transport operations in building a skyscraper.
Mekh. trud. rab. 7 no.11:30-35. (MLRA 6:12)

1. Trest Osobstroy.
(Transportation, Automotive) (Hoisting machinery) (Skyscrapers)

GINZBURG, L.I.

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"APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5"

GINZBURG, L.I., dotsent, kandidat tekhnicheskikh nauk.

Mathematical description of ventilation processes of heat exchange in buildings. Trudy Stroi.inst.Mosgorispolkoma no.4: 9-15 '53. (MLRA 8:3)

(Ventilation) (Heating)

GINZBURG, L. I.

Economizing fiber. Bum.prom. 29 no.11:26-27 N '54. (MLRA 8:1)

1. Glavnnyy inzhener Okulovskogo tsellyulozno-bumazhnogo kombinata.

(Paper industry)

GINZBURG, L.I.

Continuous grinding in beater rolls. Bum.prem.31 no.4:19-21 Ap '56.
(MLRA 9:7)

1.Glavnyy inzhener Okulevskogo tsnellyulozno-bumazhnogo kombinata.
(Woodpulp industry) (Papermaking machinery)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
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GINZBURG, L.I., inzhener; ROZENTAL', A.Ya., inzhener.

Fastening lightning protective cables to electric transmission
line poles. Elek.sta. 28 no.9:93 S '57. (MIRA 10:11)
(Lightning protection)

GINZBURG, L.I.

Paper weight reduction and number of meters manufactures. Bum.
prom. 32 no.3:22 Mr '57. (MLRA 10:4)

l. Glavnnyy inzhener Okulovskogo tsellyulozno-bumazhnogo kombi-
nata.
(Paper industry)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5"

GINZBURG, L.I., insh.; ROZENTAL', A.Ya., insh.

Use of devices recording the operations of valve-type arresters.
Mlek. sta. 29 no.2:89 P '58. (MIRA 11:3)
(Counting devices)

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GINZBURG, L.I.

Establishing the scale of a model used in studying ventilation
in rooms with excessive heat emission. Vod. i san. tekhn. no.11:13-15
N '59. (MIRA 13:3)

{Factories--Heating and ventilation)
(Engineering models)

GINZBURG, L.I.

Converting for application to natural conditions the results of
model studies on the ventilation of rooms with excessive heat losses.
Vod. i san. tekhn. no.10:20-22 O '60. (MIRA 13:11)
(Ventilation)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R000515120020-5"

GINZBURG, L.I., kand.tekhn.nauk

Changes in the mean spatial temperature of rooms with excessive
heat emission due to an irregular ventilation process. Vod.i san.
tekhn. no.4:26-27 Ap '62. (MIRA 15:8)
(Ventilation)

GINZBURG, L.I., kand.tekhn.nauk

Nomograms for determining values of the Gr-Pr complex in using
models to study ventilation processes. Vod. i san. tekhn. no.7:
5-6 Jl '62. (MIRA 15:9)
(Ventilation--Research)

GINZBURG, L.I.

Temperature conversion in model studies of room ventilation.
Vod. i san. tekhn. no.7:7-8 Jl '61. (MIRA 14:7)
(Ventilation)

GINZBURG, L.I., kand.tekhn.nauk

Temperature characteristics of a room. Vod.i san.tekh. no.4:
(MIRA 16 $\frac{3}{4}$)
30..31. Ap '63.
(Ventilation)

GRINZBURG, L.I., kand. tekhn. nauk

Determining the geometric scale in modelling the visualization
of buildings. Vod. 1 san. tekhn. no.11331-32-0-16
(...RL-182)

"APPROVED FOR RELEASE: Thursday, September 26, 2002
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CIA-RDP86-00513R000515120020-5
CIA-RDP86-00513R000515120020-5"

GRENZBURG, Leb., inch. mctopoyezda; LICHITIN, Sel., "ml. mctopoyezda".
~~SECRET//COMINT//REF ID: A6522~~

Foundations of supports of an automobile bridge on bored
pilings with broadened base. Transp. street. 13 miles 22-24
Ja '60 (KIRA 19:2)

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CIA-RDP86-00513R000515120020-5"

SUKHANOVA, Z.M. (Gomel'); GINZBURG, L.M. (Gomel')

Experience in the organization of production line operations.
(MIRA 14:3)
Shvein.prom, no.1&25-27 Ja-J '61.
(Assembly-line methods) (Gomel'.-Clothing industry)

B110/B1

15.8360

AUTHORS:

Shcherbakov, V. M., Mazur, S. V., Ginzburg, L. N.

TITLE:

Strength properties of glass plastics. Strength and elasticity of glass plastics under static and impulsive loads

PERIODICAL: Plasticheskiye massy, no. 4, 1962, 33-43

TEXT: The results of tensile, and static and impact bending tests are given, together with analytical methods of determining ultimate tensile stress and the modulus of elasticity. Epoxy phenol resin shows least shrinkage on curing, good adhesion. Good tensile strength was found in plastics with satin or twisted glass cloth. This is because the filler is better impregnated and the bond between the layers of glass cloth is strengthened. Tensile rupture of glass cloth T_1 (T_1). This is because the filler is spalling begins at the bond between resin and glass cloth takes place in three stages: (1) the bond between resin and glass filler is destroyed, and off, and the filler takes over the whole load, (2) the resin starts peeling off, and the glass cloth is

card 1/5

3/19/62/004/010/017
B110/B138

Strength properties of glass...

ruptured. $\sigma_F = \sigma_{\text{g}} F_g + \sigma_r F_r$ holds, where σ = stress in the glass plastic,
 σ_{g} = stress in the glass filler, σ_r = stress in the resin, F = total
cross section area, F_g = area of glass filler cross section, F_r = area of
resin cross section. The ultimate tensile strength (UTS) is

$$\sigma = \sigma_{\text{cu}} + \frac{\gamma_{\text{cu}} \frac{0.5(\beta \sigma_{\text{cr}} - \sigma_{\text{cu}}) - \sigma_{\text{cu}}}{R}}{\gamma_{\text{cu}} + \gamma_r \frac{1-R}{R}} \quad (5)$$

where σ = UTS of glass plastic, σ_{cu} = UTS of resin, σ_{cr} = UTS of
elementary glass fiber, R = resin content by weight, β = strength
utilisation factor of elementary glass fiber, γ_{cu} = specific gravity of
hardened resin, γ_{cr} = specific gravity of glass fiber ($\sim 2.5-2.6$). For
glass plastics reinforced with unidirectional fiber:

$$\sigma = \frac{\gamma_{\text{cu}}(\beta \sigma_{\text{cr}} - \sigma_{\text{cu}})}{R} + \sigma_{\text{cu}} \quad (6)$$

Card 2/5

Strength properties of glass...

S/191/62/000/004/010/017
B110/B136

Equations (5) and (6) are however, only approximate, as a lot of factors influencing strength are not taken into account. In glass plastics with satin woven glass cloth, the different layers are well interlinked, load is distributed between resin and filler, and the damaging glass-glass contact is avoided. Production under pressure gives 10-35 % higher bending strength in phenol and polyester resins than does vacuum molding, and 40-55 % in epoxy phenol plastics. Resin content has a decisive influence on bending strength of glass plastics: at 14.6 % UTS in bending was 162 kg/cm², and at 20.8 %, 1645 kg/cm². In static bending tests of epoxy phenol glass plastics, no fracture occurred at the interface at 150-200 kg/cm². The UTS in bending is

$$\sigma = 1/I \sum_{i=1}^n \sigma_i I_i,$$

where σ_i denotes the stress in the components of the glass plastic and I_i are the moments of inertia of their cross sections. Although the UTS of the best glass plastics is almost as high as that of steel, the modulus of elasticity is only 1/10.

Card 3/5

8/19/62/000/004/010/017
B110/B178

Strength properties of glass...

$$E = 1/F \sum_{i=1}^n E_i F_i$$

defines the modulus of elasticity, F denotes cross sectional area of the test piece, F_i the cross sectional area of the individual components, E_i their moduli of elasticity. The modulus of elasticity and impact strength in bending (pendulum velocity = 3.5 m/sec) increase with the thickness of the glass cloth. Good values were obtained with braided small-cell cloth and with satin weave. The deformation of glass plastics obeys Hooke's law right up to rupture. Quantitative estimates of strength and deformation were made to assess suitability for engineering purposes. Approximate values for the maximum dynamic deflection f_d and impact toughness in bending strength σ_d are found from the amount of work dissipated in destruction. $f_d = f_{st} + \sqrt{f_{st}^2 + 2hf_{st}}$, where $f_{st} = Pl^3/48EI$ = static deflection under load P and $\sigma_d = 3\sqrt{2AE/b\delta l}$, where E is the modulus of elasticity, A is the work of destruction, δ is sample thickness, b is

Card 4/5

Strength properties of glass...

S/191/62/000/004/010/017
B110/B138

sample width, and l is the span width. There are 5 figures and 7 tables.
The most important English-language reference reads as follows:
F. N. McGarry, Plast. Techn., No. 2, 46 (1959).

Card 5/5

X

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"APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5"

"High Stretch on Ring-Spinning Frames for Wet Spinning of Flax." Thesis for degree of
Dr. Technical Sci. Sub. 4 Feb 49, Moscow Textile Institute.

Summary #2, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering in
Moscow in 1949. From Vechernaya, Moskva, Jan-Dec 1949.

GOING ON

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CIA-RDP86-00513R000515120020-5

APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515120020-5"

Application of electric deformation measuring instruments in textile technology. Tekst. prom., No 2, 1952.

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
~~PIKOVSKIY, Genrikh Iosifovich; SAL'MAN, Semen Lev Matanovich;~~
~~GAL'BURT, Mark Yakovlevich; LIOZNOV, A.G., redaktor; SHULIAKOVA, M.V.,~~
tekhnicheskiy redaktor

[Circular looms for wet weaving of flax] Kol'tsevye mashiny dlia
mokrogo priadeniya l'na. Moskva, Gos. nauchno-tekhn. izd-vo Minister-
stva promyshlennyykh tovarov shirokogo potrebleniia SSSR, 1954, 155 p.
(Looms) (Flax) (MIRA 8:4)

GINZBURG, L.N., professor.

Scientific achievements in the service of industry. Tekst.prom.
(MLRA 8:1)
14 no.11:7-11 N '54.

1. Zamestitel' direktora TzNIIILV po nauchnoy rabote.
(Textile research)

GINZBURG, L. N., professor

Some problems of shape and tension of yarn in the balloon.
Tekst.prom. 15 no.6:23-25 Je '55. (MLRA 8:7)
(Cotton spinning)

GINZBURG, L.N., professor.

Trends of technical progress in the linen industry. Tekst.prom. 16
no.5:9-12 My '56. (MLRA 9:8)

1. Zamestitel' direktora TSentral'nogo nauchno-issledovatel'skogo
instituta l'nyanogo volokna po nauchnoy rabote.
(Linen)

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CIA-RDP86-00513R000515120020-5"

KOVNER, Semen Samsonovich, professor; GINZBURG, I. N., retsenzent; VAYNBURG,
M.M., retsenzent; ARKHANGEL'SKIY, S.S., redaktor; KOGAN, V.V.,
tekhnicheskij redaktor

[Mathematical methods of studying the movement of fibers in the
process of drafting] Matematicheskie metody issledovaniia dvizheniya
volokon v protsesse vytiahivaniia. Moskva, Gos.n auchno-tekhn.
izd-vo lit-ry po legkoi promyshl., 1957. 279 p. (MLRA 10:9)

1. Moskovskiy tekstil'nyy institut (for Kovner)
(Spinning)

GINZBURG, Lev Matanovich, professor, doktor tekhnicheskikh nauk; SAL'MAN,
Borislav Ilyich, kandidat tekhnicheskikh nauk; TARASOV, Sergey
Vladimirovich, kandidat tekhnicheskikh nauk; LAZAREVA, Sof'ya
Yefremovna, kandidat tekhnicheskikh nauk; FRIDMAN, Boris Nikolayevich,
kandidat tekhnicheskikh nauk; LIFSHITS, Izraill' Yakovlevich,
inzhener; SOBOLEV, G.A., retsenzant; SOKOLOVA, V.Ye., redaktor;
MMDVEDEV, L.Ya., tekhnicheskiy redaktor

[Handbook on flax spinning] Spravochnik po priesdentiul l'na. Pod red.
L.N.Ginzburga. Moskva, Gos.nauchno-tekhn.izd-vo M-va legkoi promyschl.
SSSR, 1957. 667 p.
(MLRA 10:8)

1. Moscow, TSentral'nyy nauchno-issledovatel'skiy institut
promyshlennosti lubyanykh volokon.
(Linen) (Spinning)

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GINZBURG, L.N.; VOLKOVA, Ye.A.

Introducing an efficient outlay for cutting fabrics.
Leg. prom 17 no.1:46 Ja '57.

(MLRA 10:2)

(Gomel'--Clothing industry)
(Garment cutting)

GINZBURG, L.N., doktor tekhn.nauk, prof.

Science and technology in the bast fiber industry. Tekst.prom.17
no.11:53-57 N '57.
(MIRA 10:12)

1. Zamestitel' direktora TSentral'nogo nauchno-issledovatel'skogo
instituta lubyanykh volokon.

(Bast--Testing) (Duck (Textile)) (Textile research)

ZOTIKOV, V.Ye., prof., doktor.tekhn.nauk; BUDNIKOV, I.V.; TRYKOV, P.P.;
GINZBURG, L.N., retsenzent; KARPOV, L.I., retsenzent; ORLOVA,
Z.M., retsenzent; TALEPOROVSKAYA, V.V., retsenzent; FINKEL'SHTEYN,
I.I., retsenzent; KOPELEVICH, Ye.I., red.; SHAPENKOVA, T.A., tekhn.red.

[Fundamentals of the spinning of fabrics] Osnovy priadeniya voloknistykh
materialov. Pod red. V.E.Zotikova. Moskva, Gos.nauchno-tekhn.izd-vo
lit-ry po legkoi promyshl., 1959. 506 p. (MIRA 12:11)

1. Kafedra priadeniya khlopnika Ivanovskogo tekhnologicheskogo insti-
tuta (IvTI) (for Karpov, Orlova, Taleporovskaya, Finkel'shteyn).
(Spinning)

GINZBURG, Lev Natanovich, prof.; DVERNITSKIY, Iosif Melent'yevich, inzh.;
TVERASOV, S.V., retsenzient; SLUTSKOV, I.K., retsenzient; FEYMAN,
I.I., retsenzient; LYASHENKOV, I.K., retsenzient; VOLGIN, A.A.,
retsenzient; GORDEYCHIK, G.M., red.; SOKOLOVA, V.Ye., red.;
MHDVEDEV, L.Ya., tekhn.red.

[Spinning of bast fibers and the manufacture of twisted products]
Prisadenie lubianykh volokon i proizvodstvo kruchennykh izdelii.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po legkoi promyshl., 1959.
549 p.
(MIRA 12:8)

1. Kafedra pryadeniya l'ne KTI (for Slutskov, Feyman, Lyashenkov,
Volgin).

(Bast) (Cordage)

DOBICHIN, Vadim Petrovich; DMITRIYEV, A.I., red.; GINZBURG, L.N., red.

[Problems in the theory and methodology of research in textile technology] Voprosy teorii i metodologii issledovanií v tekstil'noi tekhnologii. Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1960.
(MIRA 14:2)
427 p.

(Textile industry)

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GINZBURG, L.N., prof., doktor tekhn. nauk, red.; SOKOLOVA, V.Ye., red.;
SHVETSOV, S.V., tekhn. red.

[Manual on the spinning of rough hemp fibers and manufacture of
twisted articles] Spravochnik po priadeniiu grubykh lubianykh
volokon i proizvodstvu kruchenykh izdelii. Pod red. L.N.Ginzburga.
Moskva, Izd-vo nauchno-tekhn.lit-ry RSFSR, 1961. 526 p.

(MIRA 14:12)

(Spinning)

(Rope)

GINZBURG, L.N., prof.

Action of hackle sheets on the fibers. Tekst.prom. 21 no.3:26-31
Mr '61. (MIRA 14:3)
(Bast) (Carding machines)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
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GINZBURG, L.I., doktor tekhn.nauk; FRIDMAN, E.N., kand.tekhn.nauk

Some problems of the drawing theory in connection with high drafts
and spinning from the sliver. Tekst.prom. 21 no.5:16-23 My '61.
(MIRA 15:1)
(Spinning machinery)

GINZBURG, L.N., doktor tekhn.nauk; FRIDMAN, B.N., kand.tekhn.nauk

Some problems of the drafting theory in cases of high drafts and
of spinning from the silver. Tekst.prom. 21 no.6:25-28 Je '61.
(MIRA 15:2)

(Spinning)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
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SEVOST'YANOV, Aleksey Grigor'yevich; GINZBURG, L.N., retsenzent;
LEVINSKIY, V.P., retsenzent; AKSENOVA, I.I., red.; KNAKNIN,
M.T., tekhn. red.

[Methods for analyzing the irregularities of spinning products;
characteristics of random functions and their application] Me-
tody issledovaniia nerovnoty produktov priadeniiia; kharakte-
ristiki sluchainykh funktsii i ikh primenenie. Moskva, Rostekh-
izdat, 1962. 385 p. (MIHA 15:7)

(Spinning)

GIVZBURG, I.I., prof.; SHAVKIN, V.R., nauchnyy sotrudnik

Determining the probable characteristics of yarn tension in centrifugal spinning as dependent on the probable characteristics of mass distribution along its length. Tekst. prom. 24, no.4: 10-20 Apr. '64.

1. "Sentralt'nyy nauchno-issledovatel'skiy institut promyshlennosti i bytovyykh volokon (TsNIIbV) (for Givzburg). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut tekstil'nogo i leskogo masinostroyeniya (VNIITekstil') (for Shavkin).

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GINZBURG, Lev Naumovich, ANOSOV, V.N., retsenzent; SOKOLOVA, V.Ye.,
red.

[Centrifugal spinning of bast fibers] Tsentrifugal'noe
priadenie lubiarykh volokon. Moskva, Legkaia indu-
striia, 1965. 230 p. (MIRA 18:2)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120020-5"

SHCHERBAKOV, V.M.; MAZUR, S.V.; GINZBURG, L.N.

Strength of glass reinforced plastics. Strength and elasticity
of glass reinforced plastics under the effect of static and
impact loads. Plast.massy no.4:33-43 '62. (MIRA 15:4)
(Glass reinforced plastics--Testing)

Ferruginous pigments from marsh ore. A. V. Pumilov and L. N. Ginzburg. *J. Applied Chem. (USSR)* 19, 1118-1121 (1946) (in Russian). Marsh ore was found suitable for use as raw material for ferrimagnetic and magnetic-type pigments. The ordinary process consists in classification by Fe content (samples with higher Fe are darker and harder) and calcining and grinding. The ore gave no definite x-ray diagrams, γ -Fe₂O₃ is obtained around 500° and is converted into a Fe₃O₄ at 735-750°. The influence of calcining between 500° and 1000° for 1-4 hrs on d₁₀₀, particle size, oil consumption, and covering power was investigated. O. W. Bauer

MANUAL LITERATURE CLASSIFICATION

2. USSR (600)

4. Peat Industry

7. Measures against the freezing of peat deposits, and methods of keeping sections of lump peat production free from frost. Torf. prom. 29 no. 18. '52.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

RUMYANTSEV, V.Ya., inzhener; GINZBURG, L.N., inzhener; RYABCHIKOV, M.Ya.,
inzhener; ANDRZHAYEVSKIY, A.M., inzhener.

Mechanization of block peat production during 1953 by enterprises
of the Main Administration of the Peat Industry. Torf.prom. no.2:
6-15 '54. (MIRA 7:3)

1. Petrovsko-Kobelevskoye torfopredpriyatiye (for Rumyantsev).
2. Sverdlovskiy torfotrest (for Ginzburg). 3. Chernoramenskiy
torfotrest (for Ryabchikov). 4. Orehovskoye torfopredpriyatiye
(Peat industry)
(for Andrsheyevskiy).

KASHCHENKO, Petr Mikhaylovich; KHOROSHIN, Nikolay Ivanovich; GINEZBURG, L.N.,
red.; VORONIN, K.P., tekhn. red.

[Winning block peat for fuel with the TMMP excavator] Dobycha
kuskovogo toria na toplivo ekskavatorami TMMP. Moskva, Gos.
energ. izd-vo, 1958. 104 p. (MIRA 11:8)
(Peat)

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USSR/Astronomy - Gravitational Waves, Stability

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"Stability of Astronomical Systems," D. D. Ivanenko, A. M. Brodskiy, L. P. Ginzburg,
Moscow State U imeni Lomonosov

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The discussion of Einstein's gravitational field can in a linear approximation be reduced by analogy to a discussion of other wave fields. In this report the authors extend this analogy and introduce the concept of temp and thermal radiation of a weak gravitational field. The derived representations are then applied for the purpose of clarifying problems of stability of certain astronomical systems. Crit temps are found for the various planets and the sun. Submitted 4 Aug 51 by Acad V. G. Fesenkov.

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